## **CLAIMS**

## What is claimed is:

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1. A method for real time network communication, comprising:

forming a real time communications protocol connection over a network

communications connection;

embedding a markup language instruction in a message; and

sending the message on the real time communications protocol connection.

- 2. The method of Claim 1 wherein the embedding comprises embedding a markup language instruction in the message, the markup language instruction being a hyperlink instruction.
  - 3. The method of Claim 1 wherein:

the forming comprises forming a real time continuously open bi-directional communications protocol connection; and

the sending comprises sending the message on the real time continuously open bidirectional communications protocol connection.

4. The method of Claim 1 wherein:

the forming comprises forming a real time chat communications protocol connection;

and

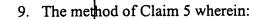
the sending comprises sending the message on the real time chat communications

5 protocol connection.

1	5. A method for real time network communication, comprising:
2	forming a real time communications protocol connection over a network
3	communications connection;
4	receiving a first message on the real time communications protocol connection, the
5	first message including a hyperlink instruction;
6	parsing the first message to identify the hyperlink instruction included therein; and
7	displaying the first message in accordance with the hyperlink instruction included
8	therein.
1	6. The method of Claim 5 and comprising:
2	embedding a hyperlink instruction in a second message; and
3	sending the second message on the real time communications protocol connection.
â	7. The method of Claim 5 wherein the receiving comprises receiving the first
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2	message on the real time communication protocol connection, the hyperlink instruction
3	being associated with a document address,
4	and comprising:
5	passing the document address to a document acquisition apparatus.

the forming comprises forming a real time chat communications protocol connection; and
the receiving comprises receiving the first message on the real time chat communications protocol connection.

8. The method of Claim 5 wherein:



the forming comprises forming a real time continuously open bi-directional

communications protocol connection; and

the receiving comprises receiving the first message on the real time continuously

open bi-directional communications protocol connection.



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10. A method for real-time network communication, wherein the network includes
TCP/IP connections formed between a plurality of clients and a host, and respective real
time communications protocol connections formed over the TCP/IP connections, the method
comprising:
receiving a message including a hyperlink language instruction from the host through
at least one of the real time communications protocol connections;
parsing the message in the client sent the message by the host; and
displaying the message in the client sent the message by the host in accordance with
the hyperlink language instruction included therein.

11. The method of Claim 10 wherein the receiving comprises receiving the message including the hyperlink language instruction, the hyperlink language instruction being associated with a document address,

and comprising:

passing the document address to a document acquisition apparatus.

- 12. The method of Claim 10 wherein the real time communications protocol connections are real time chat communications protocol connections, and wherein the receiving comprises receiving the message from the host through at least one of the real time chat communications protocol connections.
- 13. The method of Claim 10 wherein the real time communications protocol connections are real time continuously open bi-directional communications protocol connections, and wherein the receiving comprises receiving the message from the host through at least one of the real time continuously open bi-directional communications protocol connections.

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1	14. A method for real time network communication, comprising:
2	forming a real time communications protocol connection over a network
3	communications connection;
4	embedding a markup language instruction in a message; and
5	sending the message on the real time communications protocol connection.
1	15. The method of Claim 14 wherein the embedding comprises embedding the
2	markup language instruction, the markup language instruction being an html instruction.
1	16. The method of Claim 15 wherein the embedding comprises embedding the html
2	instruction, the html instruction being a hyperlink instruction.
1	17. The method of Claim 16 wherein the embedding comprises embedding the
2	hyperlink instruction, the hyperlink instruction being associated with a URL,
3	and comprising:
4	passing the URL to a Web browser.
1	18. The method of Claim 15 wherein the embedding comprises embedding the html
2	instruction, the html instruction being a bold tag.
1	19. The method of Claim 15 wherein the embedding comprises embedding the html
2	instruction, the html instruction being an italics tag.
1	20. The method of Claim 14 wherein:
2	the forming comprises forming a real time chat communications protocol connection and
4	the sending comprises sending the message on the real time chat communications
5	protocol connection.

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21. The method of Claim 14 wherein:

the forming comprises forming a real time continuously open bi-directional

communications protocol connection; and

the sending comprises sending the message on the real time continuously open bi-

directional communications protocol connection.





1	22. A method for real time network communication, comprising:
2	forming a real time communications protocol connection over a network
3	communications connection;
4	receiving a first message on the real time communications protocol connection, the
5	first message including a markup language instruction;
6	parsing the first message to identify the markup language instruction included
7	therein; and
8	displaying the first message in accordance with the markup language instruction
9	included therein.
1	23. The method of Claim 22 wherein the receiving comprises receiving the first
2	message, the markup language instruction being a hyperlink instruction.
1	24. The method of Claim 23 wherein the receiving comprises receiving the first
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2	message, the hyperlink instruction being associated with a URL;
3	and comprising:
4	passing the URL to a Web browser.
ı	25. The method of Claim 22 wherein the receiving comprises receiving the first
2	message, the markup language instruction being a bold tag.

- 26. The method of Claim 22 wherein the receiving comprises receiving the first 1 message, the markup language instruction being an italics tag.
  - 27. The method of Claim 22 wherein:
- the forming comprises forming a real time chat communications protocol connection; 2
- and 3

the receiving comprises receiving the first message on the real time chat 4 communications protocol connection.



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28. The method of Claim 22 wherein:

the forming comprises forming a real time continuously open bi-directional

3 communications protocol connection; and

the receiving comprises receiving the first message on the real time continuously

open bi-directional communications protocol connection.

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connection.

1	29. A com	munication client, comprising:
2	a computer	for:
3	for	ning a real time communications protocol connection over a network
4		communications connection;
5	eml	pedding a markup language instruction in a message; and
6	sending the	e message on the real time communications protocol connection.
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1	30. The co	mmunication client of Claim 29 wherein the markup language instruction
2	is a hyperlink instr	uction.
1	31. The co	mmunication client of Claim 29 wherein the real time communications
2	protocol connectio	n is a real time chat communications protocol connection.
1	32. The co	mmunication client of Claim 29 wherein the real time communications

protocol connection is a real time continuously open bi-directional communications protocol



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1	33. A communi	cation client, comprising:
2	a computer for:	
3	forming	a real time communications protocol connection over a
4	¢	communications connection;
5	receivin	g a message on the real time communications protocol connection;
6	parsing	the message to identify a markup language instruction included
7	t	herein; and
8	displayi	ng the message in accordance with the markup language instruction
9	ļi	ncluded therein.
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- 34. The communication client of Claim 33 wherein the markup language instruction is a hyperlink instruction.
- 35. The communication client of Claim 33, wherein the message is a first message, wherein the markup language instruction is a first markup language instruction, and wherein the computer is for:
  - sending a second message on the real time communications protocol connection; and embedding a second markup language instruction in the second message.
- 36. The communication client of Claim 33 wherein the markup language instruction is associated with a document address, and wherein the computer is for passing the document address to a document acquisition apparatus.
- 37. The communication client of Claim 33 wherein the real time communications protocol connection is a real time chat communications protocol connection.
- 38. The communication client of Claim 33 wherein the real time communications protocol connection is a real time continuously open bi-directional communications protocol connection.

is a hyperlink instruction.

ı	39. A communic	ation server, comprising:
2	a computer for:	
3	forming a	real time communications protocol connection over a network
4	сф	mmunications connection;
5	receiving	a message on the real time communications protocol connection,
6	₩ı	nerein the message includes a markup language instruction.
	40. The	is ation, compared Claims 20 whomein the montage lenguage instruction
1	40. The commun	nication server of Claim 39 wherein the markup language instruction

- 41. The communication server of Claim 39 wherein the computer is for:
  receiving the message from a first communication client; and
  sending the message on the real time communications protocol connection to a
  second communication client.
- 42. The communication server of Claim 39, wherein the message is a first message, wherein the markup language instruction is a first markup language instruction, and wherein the computer is for receiving a second message on the real time communications protocol connection, wherein the second message includes a second markup language instruction.
- 43. The communication server of Claim 39 wherein the markup language instruction is associated with a document address, and wherein the computer is for passing the document address to a document acquisition apparatus.
- 44. The communication server of Claim 39 wherein the real time communications protocol connection is a real time chat communications protocol connection.
- 45. The communication server of Claim 39 wherein the real time communications protocol connection is a real time continuously open bi-directional communications protocol connection.



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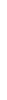
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1	46. A computer program product, comprising:
2	a computer application processable by a computer for causing the computer to:
3	form a real time communications protocol connection over a network
4	communications connection;
5	embed a markup language instruction in a message; and
6	send the message on the real time communications protocol connection; and
7	apparatus from which the computer application is accessible by the computer.
1	47. The computer program product of Claim 46 wherein the markup language
2	instruction is a hyperlink instruction.
1	48. The computer program product of Claim 46 wherein the real time
2	communications protocol connection is a real time chat communications protocol connection
1	49. The computer program product of Claim 46 wherein the real time

communications protocol connection is a real time continuously open bi-directional



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communications protocol connection.

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1	50. A compute	program product, comprising:
2	a computer app	lication processable by a computer for causing the computer to:
3	form a	real time communications protocol connection over a network
4		communications connection;
5	receive	a first message on the real time communications protocol connection,
6		the first message including a markup language instruction;
7	parse t	ne first message to identify the markup language instruction included
8		therein; and
9	display	the first message in accordance with the markup language instruction
10		included therein; and
11	apparatus from	which the computer application is accessible by the computer.
1	51. The comb	uter program product of Claim 50 wherein the markup language
	instruction is a hyperli	
2	instruction is a hypern	ink histraction?
1	52. The comp	uter program product of Claim 50 wherein the computer application is
2	processable by the cor	nputer for causing the computer to:
3	embed a marki	up language instruction in a second message; and
4	send the secon	d message on the real time communications protocol connection.
1	53. The comp	uter program product of Claim 50 wherein the markup language

- 4 document acquisition apparatus.
  - 54. The computer program product of Claim 50 wherein the real time communications protocol connection is a real time chat communications protocol connection.

instruction is associated with a document address, and wherein the computer application is

processable by the computer for causing the computer to pass the document address to a



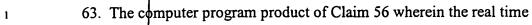
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55. The computer program product of Claim 50 wherein the real time

communications protocol connection is a real time continuously open bi-directional

3 communications protocol connection.

1	56. A computer program product, comprising:
2	a computer application processable by a computer for causing the computer to:
3	form a real time communications protocol connection over a network
4	communications connection;
5	embed a markup language instruction in a message; and
6	send the message on the real time communications protocol connection; and
7	apparatus from which the computer application is accessible by the computer.
1	57. The computer program product of Claim 56 wherein the markup language
2	instruction is an html instruction.
1	58. The computer program product of Claim 57 wherein the html instruction is a
2	hyperlink instruction.
1	59. The computer program product of Claim 58 wherein the hyperlink instruction is
2	associated with a URL, and wherein the computer application is processable by the
3	computer for causing the computer to pass the URL to a Web browser.
1	60. The computer program product of Claim 57 wherein the html instruction is a
2	bold tag.
1	61. The computer program product of Claim 57 wherein the html instruction is an
2	italics tag.
1	62. The computer program product of Claim 56 wherein the real time
2	communications protocol connection is a real time chat communications protocol
3	connection.



communications protocol connection is a real time continuously open bi-directional

3 communications protocol connection.

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1	64. A computer program product, comprising:
2	a computer application processable by a computer for causing the computer to:
3	form a real time communications protocol connection over a network
4	communications connection;
5	receive a first message on the real time communications protocol connection,
6	the first message including a markup language instruction;
7	parse the first message to identify the markup language instruction included
8	therein; and
9	display the first message in accordance with the markup language instruction
10	included therein; and
11	apparatus from which the computer application is accessible by the computer.
	65. The computer program product of Claim 64 wherein the markup language
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2	instruction is a hyperlink instruction.
1	66. The computer program product of Claim 65 wherein the hyperlink instruction is
2	associated with a URL, and wherein the computer application is processable by the
3	computer for causing the computer to pass the URL to a Web browser.
	67. The boundary are grown are dust of Claim 64 wherein the markum language
1	67. The computer program product of Claim 64 wherein the markup language
2	instruction is a bold tag.
1	68. The computer program product of Claim 64 wherein the markup language
2	instruction is an italics tag.
1	69. The computer program product of Claim 64 wherein the real time
2	communications protocol connection is a real time chat communications protocol
3	connection.



70. The computer program product of Claim 64 wherein the real time communications protocol connection is a real time continuously open bi-directional communications protocol connection.